

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE
L5 60 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED 1950 ITERATIONS 60 ANSWERS
SEARCH TIME: 00.00.01

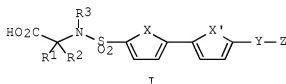
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=> D L7 1-15 ALL HITSTR

L7 ANSWER 1 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 143:97637 ZCA Full-text
ED Entered STN: 28 Jul 2005
TI Preparation of amino acid biarylsulfonamides as metalloproteinase
inhibitors
IN Levin, Jeremy Ian; Rush, Thomas Saltmarsh; Lovering, Frank; Hu,
Yonghan; Li, Jianchang; Li, Wei; Wu, Jun Jun; Hotchandani, Rajeev;
Xiang, Jason Shaoyun; Du, Xuemei; Cole, Derek Cecil; Tam, Steve Yikkai
PA Wyeth, John, and Brother Ltd., USA
SO U.S. Pat. Appl. Publ., 119 pp.
CODEN: USXXCO
DT Patent
LA English
IC ICM A61K031-445
ICS A61K031-4178; A61K031-4025; C07D049-14; C07D043-14
INCL 514332000; 514422000; 514444000; 514471000; 546256000; 548518000;
514400000; 548311100
CC 34-2 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 7, 63
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|----------------|------|----------|-----------------|----------|
| PI | US 20050143422 | A1 | 20050630 | US 2004-1589 | 20041201 |
| | US 7420001 | B2 | 20080902 | | |
| | CA 2548518 | A1 | 20050707 | CA 2003-2548518 | 20031222 |

| | | | | |
|-----------------------|----|----------|------------------|----------|
| WO 2005061477 | A1 | 20050707 | WO 2003-US40835 | 20031222 |
| AU 2003299789 | A1 | 20050714 | AU 2003-299789 | 20031222 |
| EP 1692124 | A1 | 20060823 | EP 2003-800062 | 20031222 |
| EP 1692124 | B1 | 20081015 | | |
| BR 2003018640 | A | 20061128 | BR 2003-18640 | 20031222 |
| JP 2007524567 | T | 20070830 | JP 2005-512437 | 20031222 |
| AT 411306 | T | 20081015 | AT 2003-800062 | 20031222 |
| CN 1623537 | A | 20050608 | CN 2004-10002715 | 20040105 |
| AU 2004200247 | A1 | 20050623 | AU 2004-200247 | 20040108 |
| IN 2006KN01487 | A | 20070504 | IN 2006-KN1487 | 20060531 |
| MX 2006006211 | A | 20060809 | MX 2006-6211 | 20060601 |
| ZA 2006004551 | A | 20081126 | ZA 2006-4551 | 20060602 |
| NO 2006002649 | A | 20060901 | NO 2006-2649 | 20060608 |
| PRAI US 2003-526840P | P | 20031204 | | |
| WO 2003-US40835 | W | 20031222 | | |
| OS CASREACT 143:97637 | | | | |
| GI | | | | |



- AB The invention relates to biaryl sulfonamides I [R1, R2 are independently H, CHR4OH, Ph, heteroaryl or alkyl, with the proviso that when R1 or R2 is CHR4OH, then Z is substituted with NR4SO2R5, SO2NR4R5, heterocycloalkyl, heteroaryl or cycloalkyl; R3 is H or alkyl; R4, R5 are independently a bond to the other, H, alkyl or phenyl; X, X' are independently S, O, NR4, CR6:CR6 or N:CR6; R6 is H, halo, an amino group, NO2, CN, etc.; Y is NR3CO, O2C, NHSO2, OCH2, CH2SO or CH2SO2; Z is at least one heteroaryl moiety] and their use as metalloproteinase inhibitors. Thus, N-[[4'-[(2-benzofuranylcarbonyl)amino]-1,1'-biphenyl-4-yl]sulfonyl]glycine, prep'd. by reaction of 4-aminobiphenylsulfonyl fluoride with 2-benzofurancarbonyl chloride and glycine tert-Bu ester hydrochloride and ester cleavage, showed IC50 = 47 nanomolar for inhibition of MMP-2.
- ST amino acid biarylsulfonamide prepn inhibitor metalloproteinase; sulfonamide biaryl amino acid prepn inhibitor metalloproteinase
- IT Wound healing
(abnormal; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
- IT Aneurysm
(aortic; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
- IT Lung, disease
(chronic obstructive pulmonary disease; prepn. of amino acid

biarylsulfonamides as metalloproteinase inhibitors)

IT Eye, disease
(cornea, ulcer; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Ulcer
(corneal; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Tendon
(disease, tendinitis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Inflammation

Kidney, disease
(glomerulonephritis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Transplant and Transplantation
(graft-vs.-host reaction; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Heart, disease
(infarction; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Intestine, disease
(inflammatory; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Spinal column, disease
(intervertebral disk degeneration; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Eye, disease
(macula, senile degeneration; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Bone, disease
(osteopenia; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Angiogenesis

Antiarthritics

Antiasthmatics

Antidiabetic agents

Antitumor agents

Asthma

Atherosclerosis

Central nervous system, disease

Cirrhosis

Diabetes mellitus

Hepatitis

Multiple sclerosis

Neoplasm

Osteoarthritis

Periodontium, disease

Rheumatoid arthritis

Shock (circulatory collapse)
(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Amino acids

(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Artery, disease
(restenosis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Brain, disease
(stroke; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Inflammation
(tendinitis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

UPOS.G Date last citing reference entered STN: 16 Feb 2009

OS.G CAPLUS 2008:1451440; 2006:236647

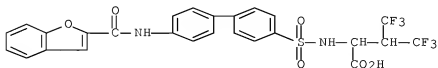
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE CITED REFERENCES

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- (6) Anon; WO 01/27084 A1 2001 ZCA
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- (10) Bundgaard, H; Apr. 1988, V77(4), P285
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- (19) Krogsgaard-Larsen; Chapter 1991, V5, P113
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- (31) Widder; 1985, V112, P309
- (32) Xiang; US 7268135 B2 2007 ZCA

IT 857077-94-2P
(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

inhibitors)
 RN 857077-94-2 ZCA
 CN Valine, N-[[4'-[(2-benzofuran-2-ylcarbonyl)amino][1,1'-biphenyl]-4-yl]sulfonyl]-4,4,4',4',4',4'-hexafluoro- (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 139:261051 ZCA Full-text
 ED Entered STN: 16 Oct 2003
 TI Preparation of N-[4-bis(trifluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivatives as fluorescence-labeled ligands
 IN Wakabayashi, Kenji; Oda, Koza
 PA Sankyo Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 26 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C07D311-82
 ICS C12N015-09
 CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 1

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 2003267969 | A | 20030925 | JP 2002-69674 | 20020314 |
| PRAI | JP 2002-69674 | | 20020314 | | |

OS MARPAT 139:261051

AB The title compds. [I; R1, R2 = H, each (un)substituted C1-20 alkyl, aryl, or aralkyl, -A1-D-G2-A2-G2-FL; wherein A1, A2 = (un)substituted C1-6 alkylene or phenylene; G1, G2 = a single bond, O, S, OC(O), OC(:S), NHCO, NHSO2, NHCONH, NHC(:S)NH; FL = a fluorescent group] are prepd. These compds. possess both binding affinity to liver X receptor (LXR) and fluorescent property and are used as ligands for convenient and comprehensive assay of binding affinity of various ligands to LXR in development of hypolipidemics or antiarteriosclerotics. Thus, 19.0 mg 4-(2-aminoethyl)-N-(2,2,2-trifluoroethyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]benzenesulfonamide was dissolved in 0.5 mL DMSO, treated with 6.0 mg 6-(fluorescein-5(6)-ylcarbonylamino)caproic acid N-succinimidyl ester (Fluka) and 0.05 mL phosphate buffer (pH 6.86), stirred at 50° for 10 h to give after workup and preparative TLC, a mixt. of fluorescein derivs. (II; R = Q, Q1) (13 mg, 76% yield) which in vitro dose-

dependently inhibited the binding of T0901317 (LXR agonist) to recombinant human LXRA and LXRβ.

ST trifluoromethylhydroxymethylphenylbenzenesulfonamide prepn
fluorescence labeled ligand; liver X receptor affinity assay
fluorescence labeled ligand

IT Steroid receptors
(LXR (liver X receptor)); prepn. of
[4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as
fluorescence-labeled ligands for assay of binding affinity to liver
X receptor (LXR))

IT Fluorescent indicators
Fluorescent substances
Human
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

IT 603138-63-2P 603138-64-3P 603138-65-4P 603138-66-5P
603138-67-6P 603138-68-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

IT 603138-83-6P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

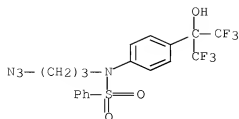
IT 109-70-6, 1-Bromo-3-chloropropane 722-92-9,
4-(2,2,2-Trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]aniline
4025-64-3, 3-Chlorosulfonylbenzoic acid 6226-25-1,
Trifluoromethanesulfonic acid 2,2,2-trifluoroethyl ester 10130-89-9,
4-Chlorosulfonylbenzoic acid 23114-01-4,
N-Methyl-N-nitro-p-toluenesulfonamide 76856-51-4 603138-75-6
603138-99-4
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

IT 334-88-3P, Diazomethane 63555-50-0P 69812-51-7P 603138-69-8P
603138-70-1P 603138-71-2P 603138-72-3P 603138-73-4P
603138-74-5P 603138-76-7P 603138-77-8P 603138-78-9P
603138-79-0P 603138-80-3P 603138-81-4P 603138-82-5P
603138-84-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

IT 603138-84-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide
derivs. as fluorescence-labeled ligands for assay of binding
affinity to liver X receptor (LXR))

RN 603138-84-7 ZCA

CN Benzenesulfonamide, N-(3-azidopropyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-
1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



L7 ANSWER 3 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 134:268413 ZCA Full-text
 ED Entered STN: 26 Apr 2001
 TI Composition of fire-extinguishing agents
 IN Nagao, Kenji; Tanaka, Kazuyoshi; Hashimoto, Yutaka
 PA Dainippon Ink and Chemicals, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A62D001-04

CC 50-6 (Propellants and Explosives)

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | JP 2001079108 | A | 20010327 | JP 1999-260235 | 19990914 |

PRAI JP 1999-260235 19990914

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|---------------|-------|---------------------------------------|
| JP 2001079108 | ICM | A62D001-04 |
| | IPCI | A62D0001-04 [ICM,7] |
| | IPCR | A62D0001-00 [I,C*]; A62D0001-04 [I,A] |

AB Fire-extinguishing agent having diffusivity ≥ 3.5 comprises cationic water-sol. polymer, cationic hydrophilic surfactant, and polybasic acid compds. The agent has fast fire-extinguishing performance, high-flame resistance, liq. resistance, and re-ignition prevention performance.

ST fire extinguishing agent compn

IT Fire extinguishers

(compn. of fire-extinguishing agents)

IT 67-56-1, Methanol, uses 67-63-0, Isopropyl alcohol, uses 67-64-1, Acetone, uses 75-56-9, Propylene oxide, uses 142-82-5, n-Heptane, uses

(fire; compn. of fire-extinguishing agents for)

IT 87-69-4, Natural tartaric acid, uses 99-14-9, 1,2,3-Propanetricarboxylic acid 107-21-1, Ethylene glycol, uses 110-15-6, Butanedioic acid, uses 110-99-6 112-34-5, Butyl Carbitol 124-04-9, Hexanedioic acid, uses 139-33-3 335-90-0 505-48-6,

Octanedioic acid 617-65-2, Glutamic acid 787-70-2,
 [1,1'-Biphenyl]-4,4'-dicarboxylic acid 2284-73-3 2449-35-6
 3232-24-4 3238-40-2, 2,5-Furandicarboxylic acid 4282-31-9,
 2,5-Thiophenedicarboxylic acid 9002-98-6 62501-48-8 67939-95-1
 73149-44-7 85665-65-2 89736-24-3 98900-51-7 98900-53-9
 98900-57-3 98900-67-5 98900-70-0 98900-72-2 98900-75-5
 98900-76-6 98900-81-3 98900-82-4 98900-84-6 331755-00-1
 331755-01-2 331755-02-3 331755-03-4 331755-04-5
 331755-05-6 331755-06-7 331755-07-8 331755-08-9 331755-09-0
 331755-11-4 331755-12-5 331755-14-7

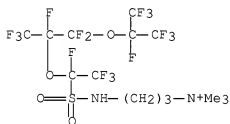
(in compn. of fire-extinguishing agents)

IT 331755-04-5

(in compn. of fire-extinguishing agents)

RN 331755-04-5 ZCA

CN 1-Propanaminium, 3-[[[1-[1-[difluoro[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,2,2,2-tetrafluoroethyl)sulfonyl]amino]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L7 ANSWER 4 OF 15 ZCA COPYRIGHT 2010 ACS on STN

AN 133:327663 ZCA Full-text

ED Entered STN: 23 Nov 2000

TI Positive-working photosensitive resin precursor composition

IN Fujita, Yoji; Tomikawa, Masao; Okuda, Ryoji

PA Toray Industries, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM G03F007-037

ICS C08G069-26; G03F007-022

CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

Section cross-reference(s): 38

FAN.CNT 1

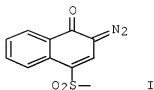
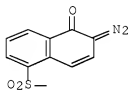
PATENT NO.

KIND DATE

APPLICATION NO.

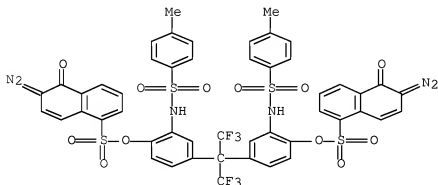
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|------|----------------|---|----------|----------------|----------|
| PI | JP 2000298341 | A | 20001024 | JP 1999-106855 | 19990414 |
| PRAI | JP 1999-106855 | | 19990414 | | |
| GI | | | | | |



- AB The title compn. contains (a) a polymer based on a structural unit [COR1(OH)p(CO2R3)mCONHR2(OH)qNH]n (R1 = C22 org. group with 2 to 8 valences; R2 = C22 org. group with 2 to 6 valences; R3 = H and/or C1-20 org. group; n = 10-100,000; m = 0-2; p, q = 0-4, p ≠ q ≠ 0) and (b) ≥1 quinonediazide compd. (R4SO2NH)cR5(OQ)b(NHQ)e(OSO2R6)d [Q = I or II; R4, R6 = C1-20 univalent org. group; R5 = C22 org. group with 2 to 8 valences; b + d, c + e = 0-4, b ≠ e ≠ 0, c ≠ d ≠ 0, (b + d) ≠ (c + e) ≠ 0]. The compn. is developable with aq. alkali solns. and provides high quality patterns with high residual film rate.
- ST pos photoresist polyimide polybenzoxazole precursor; quinonediazide compd pos photoresist
- IT Positive photoresists
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)
- IT Polybenzoxazoles
Polyimides, preparation
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)
- IT 98-59-9, p-Toluenesulfonic acid chloride 36451-09-9,
1,2-Naphthoquinonediazide-4-sulfonyl chloride 38638-43-6,
1,2-Naphthoquinonediazide-5-sulfonic acid chloride 52499-14-6,
p-Dodecylbenzenesulfonyl chloride 110726-28-8
(esterification of)
- IT 83558-87-6DP, 2,2-Bis(3-amino-4-hydroxyphenyl) hexafluoropropane,
reaction products with 1,2-naphthoquinonediazide-4(5)-sulfonic acid
and p-toluenesulfonic acid 148879-74-7P 236095-20-8P
270903-11-2P 302792-34-3P 302792-35-4P 302792-37-6P
302792-38-7P 302798-02-3P
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)
- IT 25596-69-4P 46907-17-9P 129197-38-2P 223255-30-9P
(prepn. and polymn. of)

IT 1204-28-0, Trimellitic acid anhydride chloride
(prepn. of acid anhydride)
IT 99-57-0, 2-Amino-4-nitrophenol 99-63-8, 1,3-Benzenedicarbonyl
dichloride 122-04-3, 4-Nitrobenzoyl chloride
(prepn. of diamine compd.)
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
UPOS.G Date last citing reference entered STN: 16 Feb 2009
OS.G CAPLUS 2003:951321
IT 302792-34-3P
(pos. photoresist compn. contg. polyimide or polybenzoxazole
precursor and quinonediazide compd.)
RN 302792-34-3 ZCA
CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-,
[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-[(4-
methylphenyl)sulfonyl]amino]-4,1-phenylene] ester (9CI) (CA INDEX
NAME)



L7 ANSWER 5 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 133:237693 ZCA Full-text
ED Entered STN: 13 Oct 2000
TI Preparation of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides,
-ureas, and -carbamates as liver X receptor modulators.
IN Li, Leping; Medina, Julio C.; Hasegawa, Hirohiko; Cutler, Serena T.;
Liu, Jiwen; Zhu, Liusheng; Shan, Bei; Lustig, Kevin
PA Tularik Inc., USA
SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K031-00
CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1, 27
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

| | | | | | |
|------|---|----|----------|-----------------|----------|
| PI | WO 2000054759 | A2 | 20000921 | WO 2000-US6611 | 20000315 |
| | WO 2000054759 | A3 | 20010215 | | |
| | US 6316503 | B1 | 20011113 | US 2000-525861 | 20000314 |
| | CA 2367595 | A1 | 20000921 | CA 2000-2367595 | 20000315 |
| | EP 1161233 | A2 | 20011212 | EP 2000-914958 | 20000315 |
| | JP 2002539155 | T | 20021119 | JP 2000-604835 | 20000315 |
| PRAI | US 1999-124525P | P | 19990315 | | |
| | WO 2000-US6611 | W | 20000315 | | |
| OS | MARPAT 133:237693 | | | | |
| AB | <p>X1X2X3CC(R1)(ArYR2)CX4X5X6 (Ar = aryl; R1 = OH, CO2H, alkoxy, alkylcarbonyloxy, heteroalkyloxy, etc.; R2 = alkyl, heteroalkyl, aryl, aralkyl; X1-X6 = H, alkyl, heteroalkyl, F, Cl; Y = NR12SOm, NR12CO, NR12CONR13, NR12CO2, etc.; m = 1, 2; R12, R13 = H, alkyl, heteroalkyl, aryl, aralkyl, etc.; with provisos), were prep'd. Thus, 4-(hexafluoro-2-hydroxyisopropyl)aniline in MeOH was treated with PhSO2Cl to give 4-[HO(CF3)2C]C6H4NHSO2Ph. The latter showed LXRα with EC50 <2 μM.</p> | | | | |
| ST | <p>trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n liver X receptor modulator; antiatherosclerotic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n; antidiabetic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n; antiobesity agent trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n; antihypertensive trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n; antiosteoporotic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n; LXR modulator trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prep'n</p> | | | | |
| IT | <p>Antiarteriosclerotics (antiatherosclerotics; prep'n. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)</p> | | | | |
| IT | <p>Vitamins (avitaminosis, treatment; prep'n. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)</p> | | | | |
| IT | <p>Lipids, biological studies (metab., treatment of disorders; prep'n. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)</p> | | | | |
| IT | <p>Anticholesteremic agents Antidiabetic agents Antihypertensives Antiobesity agents (prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)</p> | | | | |
| IT | <p>Sulfonamides (prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)</p> | | | | |
| IT | <p>Receptors (prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides,</p> | | | | |

-ureas, and -carbamates as liver X receptor modulators)

IT Osteoporosis
(therapeutic agents; prepn. of
bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and
-carbamates as liver X receptor modulators)

IT Multidrug resistance
(treatment; prepn. of
bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and
-carbamates as liver X receptor modulators)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

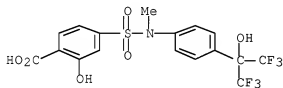
RE CITED REFERENCES

- (1) Anon; WO 0046203 A2 ZCA
 - (2) Anon; EP 0193249 A2 ZCA
 - (3) Anon; EP 0919542 A2 ZCA
 - (4) Anon; GB 1507340 A
 - (5) Anon; US 3281466 A ZCA
 - (6) Anon; US 4093742 A
 - (7) Anon; US 4230635 A ZCA
 - (8) Anon; US 4240979 A ZCA
 - (9) Anon; US 4251534 A ZCA
- IT 293753-78-3P 293753-91-0P 293753-94-3P
293754-09-3P 293754-45-7P

(prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides,
-ureas, and -carbamates as liver X receptor modulators)

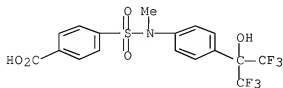
RN 293753-78-3 ZCA

CN Benzoic acid, 2-hydroxy-4-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



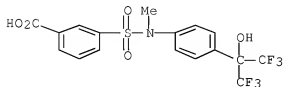
RN 293753-91-0 ZCA

CN Benzoic acid, 4-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



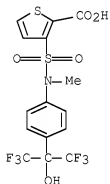
RN 293753-94-3 ZCA

CN Benzoic acid, 3-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



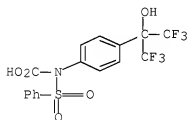
RN 293754-09-3 ZCA

CN 2-Thiophenecarboxylic acid, 3-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



RN 293754-45-7 ZCA

CN Carbamic acid, (phenylsulfonyl)[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



ED Entered STN: 28 Jan 2000

TI Rheological changes of suspensions induced by electrohydrodynamic instability

AU Otsubo, Yasufumi; Edamura, Kazuya; Fukube, Hiroyuki; Deyama, Kazuhito

CS Department of Image Science, Chiba University, Chiba-shi, 263, Japan

SO Electro-Rheological Fluids, Magneto-Rheological Suspensions and Their Applications, Proceedings of the International Conference, 6th, Yonezawa, Japan, July 22-25, 1997 (1998), Meeting Date 1997, 35-42. Editor(s): Nakano, Masami; Koyama, Kiyohito. Publisher: World Scientific Publishing Co. Pte. Ltd., Singapore, Singapore.

CODEN: 68KEAO

DT Conference

LA English

CC 66-4 (Surface Chemistry and Colloids)

AB A new type of ER suspension was invented with a fluorinated org. compd. The suspensions show a viscosity increase without yield stress on the application of elec. fields. The results cannot be explained by the chain formation mechanism. After the ER expts., the plate surface of rheometer is covered with stripes of aggregated particles. The periodic structure may be formed in the electrified suspensions. When a dielec. liq. is subjected to high elec. fields, the secondary motion of liq. can be induced. The electrohydrodynamic convection is responsible for the periodic distribution of particles. The ER effect of the suspensions may be generated by a combined effect of electrohydrodynamic convection and external shear.

ST electrorheol perfluorooxyphenylsulfonamide salt suspension silicone oil electrohydrodynamic convection; sulfonamide salt perfluorooxyphenyl suspension silicone oil electrorheol electrohydrodynamic convection

IT Convective flow
(electroconvective; rheol. changes of electrorheol. suspensions of perfluorooxyphenylsulfonamide salt induced by)

IT Creep
Mechanical loss
Shear viscosity
(of electrorheol. suspensions of perfluorooxyphenylsulfonamide salt induced by electrohydrodynamic instability)

IT Polysiloxanes, properties
(oil phase; rheol. changes of suspensions of perfluorooxyphenylsulfonamide salt induced by electrohydrodynamic instability)

IT Electrorheological fluids
Electrorheology
(rheol. changes of suspensions of perfluorooxyphenylsulfonamide salt induced by electrohydrodynamic instability)

IT 158658-62-9
(suspended particles; rheol. changes of suspensions induced by electrohydrodynamic instability)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE CITED REFERENCES

(1) Arp, P; Adv Colloid Interface Sci 1980, V12, P295

(2) Fukumasa, M; Ferroelec 1993, V147, P395 ZCA

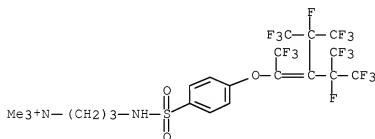
(3) Gamota, D; J Rheol 1991, V35, P399 ZCA

- (4) Gast, A; Adv Colloid Interface Sci 1989, V30, P153 ZCA
 (5) Halsey, T; Science 1992, V258, P761
 (6) Orsay Liquid Crystal Group; Mol Cryst Liq Cryst 1971, V12, P251 ZCA
 (7) Otsubo, Y; Colloids Surf 1991, V58, P73 ZCA
 (8) Otsubo, Y; Colloids Surf A 1996, V109, P63 ZCA
 (9) Otsubo, Y; J Rheol 1992, V36, P479 ZCA
 (10) Tanaka, K; J Soc Rheol Jpn 1992, V20, P73 ZCA
 (11) Yang, I; J Rheol 1992, V36, P1079 ZCA
 IT 158658-62-9

(suspended particles; rheol. changes of suspensions induced by electrohydrodynamic instability)

RN 158658-62-9 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



● I⁻

L7 ANSWER 7 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 130:161932 ZCA Full-text
 ED Entered STN: 13 Mar 1999
 TI Electrically sensitive compounds, electro-rheological electric insulator-based compositions containing the compounds, and their uses
 IN Otsubo, Yasufumi; Fukube, Hiroyuki; Ideyama, Kazuhito; Edamura, Kazuya
 PA Neos Co., Ltd., Japan; Shingijutsu Management Y. K.
 SO Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 CC 76-10 (Electric Phenomena)
 Section cross-reference(s): 25
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
| JP 11029508 | A | 19990202 | JP 1997-182836 | 19970708 |
| PRAI JP 1997-182836 | | 19970708 | | |

OS MARPAT 130:161932

AB The elec. sensitive compds. are represented as $C_nX_m(O)rQqAp$ [$Q =$ (substituted) ≥ 2 -valent arom. group residue; $p = 1 - (4q + 1)$; $q = 0, 1, 2$; $r = 0, 1$; $n = 2 - 20$; $m = 2n + 1, 2n - 1$; $X = H, F$; $A = H, C \geq 2$ monovalent org. group residue, $C \leq 2$ monovalent group without releasable terminal H, $[(CH_2)_sO]_t$ [$s = 2 - 5$; $t = 1 - 5$; $m = 2n - 2$ (in this case); A and C_nX_{2-2n} make a ring]]. The compds. are dispersed in elec. insulating mediums to give title electro-rheol. compns., which are elec. charged in use as electro-rheol. fluids showing easy control of linearity compared with conventional electro-rheol. liq. crystal compns.

ST elec sensitive compd electro rheol; insulator medium electro rheol liq

IT Polysiloxanes, uses
(elec. insulators; elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT Electric insulators
Electrorheology
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT 31900-57-9, Dimethylsilanediol homopolymer 42557-10-8, TSF 451 100
(elec. insulators; elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT 158658-62-9P
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT 83731-88-8 130183-59-4 170778-67-3 220288-16-4 220288-17-5
220288-19-7 220288-20-0 220288-21-1 220288-22-2
220288-23-3 220288-24-4 220288-25-5
220288-26-6 220288-27-7 220288-28-8 220288-29-9
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

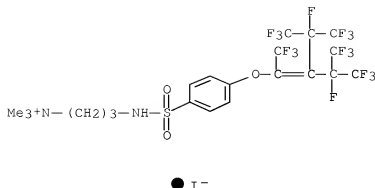
IT 109-55-7 7790-94-5, Chlorosulfonic acid 55937-47-8
(electro-rheol. elec. insulator-based compns. contg. elec. sensitive compds. from)

IT 59493-70-8P 59536-15-1P, p-Perfluorononyloxybenzenesulfonyl chloride
(intermediates; electro-rheol. elec. insulator-based compns. contg. elec. sensitive compds. from)

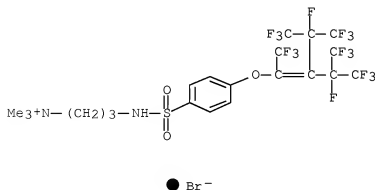
IT 158658-62-9P
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

RN 158658-62-9 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



IT 220288-23-3 220288-24-4 220288-25-5
 220288-26-6 220288-27-7
 (elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)
 RN 220288-23-3 ZCA
 CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, bromide (1:1) (CA INDEX NAME)

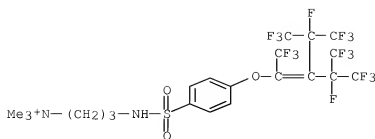


RN 220288-24-4 ZCA
 CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, tetrafluoroborate(1-) (1:1) (CA INDEX NAME)

CM 1

CRN 170778-68-4

CMF C21 H20 F17 N2 O3 S



CM 2

CRN 14874-70-5

CMF B F4

CCI CCS



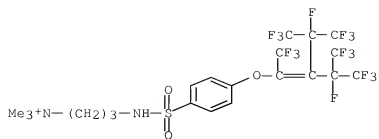
RN 220288-25-5 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]phenyl]sulfonyl]amino]-, tetracosam-μ-oxododecaoxo[μ12-[phosphato(3-)-κO:κO:κO:κO':κO':κO':κO'':.kappaappa.O':κO':κO':κO':κO':κO':κO'']]dodecatungstate(5-) (5:1) (9CI) (CA INDEX NAME)

CM 1

CRN 170778-68-4

CMF C21 H20 F17 N2 O3 S



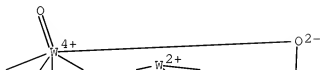
CM 2

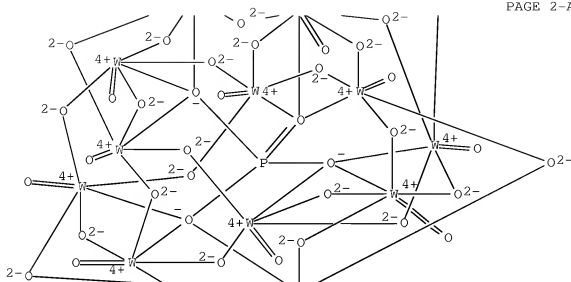
CRN 12269-69-1

CMF O40 P W12

CCI CCS

PAGE 1-A

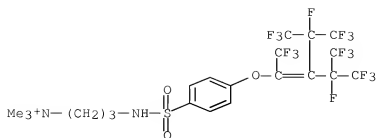




RN 220288-26-6 ZCA
 CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]phenyl]sulfonyl]amino]-, tetraphenylborate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 170778-68-4
 CMF C21 H20 F17 N2 O3 S

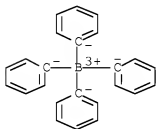


CM 2

CRN 4358-26-3

CMF C24 H20 B

CCI CCS



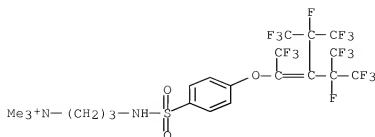
RN 220288-27-7 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, 4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 170778-68-4

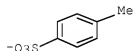
CMF C21 H20 F17 N2 O3 S



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S

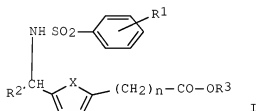


L7 ANSWER 8 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 129:27820 ZCA Full-text
 OREF 129:5931a,5934a
 ED Entered STN: 14 Jul 1998
 TI Preparation and formulation of benzenesulfonamide derivatives as
 thromboxane A₂ and leukotriene D₄ antagonists
 IN Yasuda, Shingo; Ogawa, Nobuo; Sakurai, Shunichiro
 PA Hokuriku Seiyaku Co., Ltd., Japan
 SO PCT Int. Appl., 104 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 IC ICM C07C311-19
 ICS C07C311-29; C07D333-24; A61K031-195; A61K031-215; A61K031-38
 CC 25-17 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 1, 27, 63

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------------------|-------------|------|----------|-----------------|----------|
| PI | WO 9821177 | A1 | 19980522 | WO 1997-JP4125 | 19971112 |
| CM, GA, GN, ML, MR, NE, SN, TD, TG | JP 10195038 | A | 19980728 | JP 1997-269234 | 19970916 |
| | CA 2271673 | A1 | 19980522 | CA 1997-2271673 | 19971112 |
| | AU 9749645 | A | 19980603 | AU 1997-49645 | 19971112 |

| | | | | | |
|------|------------------|----|----------|----------------|----------|
| | AU 716395 | B2 | 20000224 | | |
| | EP 943606 | A1 | 19990922 | EP 1997-912435 | 19971112 |
| | BR 9712763 | A | 19991221 | BR 1997-12763 | 19971112 |
| | CN 1244859 | A | 20000216 | CN 1997-181363 | 19971112 |
| | HU 9903881 | A2 | 20000228 | HU 1999-3881 | 19971112 |
| | HU 9903881 | A3 | 20010228 | | |
| | NO 9902316 | A | 19990712 | NO 1999-2316 | 19990512 |
| | KR 2000053254 | A | 20000825 | KR 1999-704233 | 19990513 |
| PRAI | JP 1996-317109 | A | 19961113 | | |
| | JP 1997-269234 | A | 19970916 | | |
| | WO 1997-JP4125 | W | 19971112 | | |
| OS | MARPAT 129:27820 | | | | |
| GI | | | | | |



AB The title compds. I [R1 is hydrogen, halogeno, lower alkyl, lower alkoxy or nitro; R2 is C4-C8 alkyl substituted with one or more fluorine atoms; R3 is hydrogen or lower alkyl; X is sulfur or CH:CH; and n is an integer of 2 to 4] are prepd. In the in vitro test for thromboxane A2 antagonism, 4-[4-[5,5,6,6,6-pentafluoro-1-(4- fluorophenylsulfonylamino)hexyl]phenyl]butyric acid (II) showed pKB of 8.6. II at 0.3 mg/kg orally gave 71% inhibition of U-46619-induced tracheal constriction.

ST benzenesulfonamide prepn thromboxane leukotriene antagonist;
thromboxane A2 antagonist benzenesulfonamide prepn; leukotriene D4 antagonist benzenesulfonamide prepn

IT Allergy inhibitors
Antiasthmatics
Anticoagulants
(prepn. and effect of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

IT Leukotriene antagonists
(prepn. of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

IT Thromboxane receptors
(prepn. of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

UFOS.G Date last citing reference entered STN: 31 Jul 2009

OS.G CAPLUS 2009:887315; 2007:379518; 2001:800653

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE CITED REFERENCES

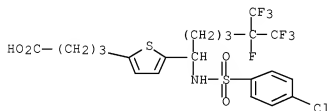
- (1) Hokuriku Seiyaku Co Ltd; JP 07-53505 A 1995 ZCA
- (2) Hokuriku Seiyaku Co Ltd; US 5597848 A 1995 ZCA
- (3) Hokuriku Seiyaku Co Ltd; EP 663392 A1 1995 ZCA
- (4) Hokuriku Seiyaku Co Ltd; WO 947848 A1 1995
- (5) Hokuriku Seiyaku Co Ltd; JP 09-48775 A 1997 ZCA
- (6) Hokuriku Seiyaku Co Ltd; WO 9638436 A1 1997 ZCA
- (7) Sakurai, S; Chemical & Pharmaceutical Bulletin 1996, V44(4), P765 ZCA

IT 207987-52-8P 207987-53-9P 207987-54-0P
 207987-78-8P 207987-79-9P 207987-80-2P
 207987-81-3P

(prepn. of benzenesulfonamide derivs. as thromboxane A2 and
 leukotriene D4 antagonists)

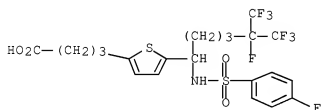
RN 207987-52-8 ZCA

CN 2-Thiophenebutanoic acid, 5-[1-[(4-chlorophenyl)sulfonyl]amino]-
 5,6,6,6-tetrafluoro-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



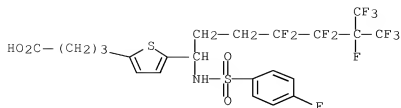
RN 207987-53-9 ZCA

CN 2-Thiophenebutanoic acid, 5-[5,6,6,6-tetrafluoro-1-[[[4-fluorophenyl)sulfonyl]amino]-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



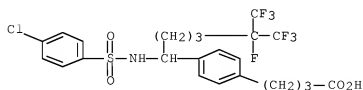
RN 207987-54-0 ZCA

CN 2-Thiophenebutanoic acid, 5-[4,4,5,5,6,7,7,7-octafluoro-1-[[[4-fluorophenyl)sulfonyl]amino]-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



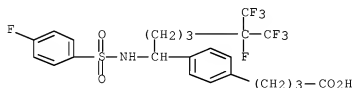
RN 207987-78-8 ZCA

CN Benzenebutanoic acid, 4-[1-[[4-chlorophenyl)sulfonyl]amino]-5,6,6,6-tetrafluoro-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



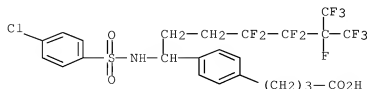
RN 207987-79-9 ZCA

CN Benzenebutanoic acid, 4-[5,6,6,6-tetrafluoro-1-[[4-fluorophenyl)sulfonyl]amino]-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)

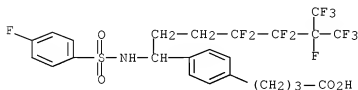


RN 207987-80-2 ZCA

CN Benzenebutanoic acid, 4-[1-[[4-chlorophenyl)sulfonyl]amino]-4,4,5,5,6,6,7,7-octafluoro-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



RN 207987-81-3 ZCA
 CN Benzenebutanoic acid, 4-[4,4,5,5,6,7,7,7-octafluoro-1-[[4-fluorophenyl)sulfonyl]amino]-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



L7 ANSWER 9 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 125:342650 ZCA [Full-text](#)
 OREF 125:63785a,63788a
 ED Entered STN: 17 Dec 1996
 TI Silver halide photographic photosensitive materials containing hydrazine type nucleating agents and onium compounds
 IN Kubo, Toshiaki; Takeuchi, Hiroshi
 PA Fuji Photo Film Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 74 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM G03C001-06
 ICS G03C001-04; G03C001-295
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

FAN.CNT 6

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 08211527 | A | 19960820 | JP 1995-37823 | 19950203 |
| | JP 3408009 | B2 | 20030519 | | |
| | US 5744279 | A | 19980428 | US 1996-595478 | 19960201 |
| PRAI | JP 1995-37817 | A | 19950203 | | |
| | JP 1995-37823 | A | 19950203 | | |
| | JP 1995-37824 | A | 19950203 | | |
| | JP 1995-37827 | A | 19950203 | | |
| | JP 1995-47901 | A | 19950214 | | |
| | JP 1995-58236 | A | 19950223 | | |

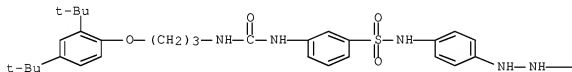
GI For diagram(s), see printed CA Issue.

AB The claimed photog. material contains ≥ 1 nucleating agent having an anionic group near the hydrazine group or a nonionic group which form an intramol. H bond with the hydrazine group and ≥ 1 onium salt of the formula $QmL \cdot (m/n)Xn-$ (Q = R1P+R2R3, Q1, Q2; R1, R2, R3 = alkyl, cycloalkyl, aryl, alkenyl,

cycloalkenyl, heterocyclyl; L = m-valent org. moiety; R4 = alkyl, aryl; Xn- = anion; m = 1-4 when Q is phosphonium and m = 1-6 when Q is I or II; n = 1-3). The photog. materials shows high contrast, good resistance toward pressure induced blemishes, and good storage stability, and hence it is very useful as a lith film.

- ST hydrazine deriv photog nucleating agent; onium salt nucleation promoter photog; phosphonium salt photog nucleating agent
- IT Photographic films
(lith, high contrast lith films contg. hydrazine type nucleating agent and onium salt type nucleation promoter)
- IT 179098-71-6 179098-81-8 182131-88-0 183197-18-4 183197-19-5
183289-50-1 183377-29-9 183377-30-2 183377-31-3 183377-32-4
183377-33-5 183377-34-6 183377-35-7 183377-36-8
183377-37-9 183377-38-0 183377-39-1
(hydrazine deriv. nucleating agent for photog. lith films)
- IT 917-20-4 16111-53-8 39795-21-6 116819-79-5 178217-20-4
183377-40-4 183377-41-5 183377-42-6 183377-43-7 183377-44-8
183377-45-9 183377-46-0
(nucleation promoters for photog. lith films)
- IT 183377-35-7
(hydrazine deriv. nucleating agent for photog. lith films)
- RN 183377-35-7 ZCA
- CN Propanedioic acid, 2,2-bis(trifluoromethyl)-,
1-[2-[4-[[[3-[[[3-[2,4-bis(1,1-dimethylethyl)phenoxy]propyl]amino]carbonyl]amino]phenyl]sulfonyl]amin
o]phenyl]hydrazide] (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



AN 121:267753 ZCA Full-text
 OREF 121:48661a,48664a
 ED Entered STN: 26 Nov 1994
 TI Manufacture of polymer composite particles used in electrophotographic toner
 IN Yamashita, Juji; Koban, Akihiro; Watanabe, Yoichiro; Kato, Koichi; Kawase, Hiromitsu
 PA Ricoh Kk, Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B01J013-04
 ICS C08L101-00; G03G009-08; G03G009-087
 CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | JP 06063387 | A | 19940308 | JP 1993-45775 | 19930210 |
| | JP 3368387 | B2 | 20030120 | | |
| | US 5368972 | A | 19941129 | US 1993-16502 | 19930211 |
| PRAI | JP 1992-61338 | A1 | 19920215 | | |

AB The title polymer composite particles are manufd. by (1) mixing a parent particle (A) which has polar groups on its surface and is dispersed in a hydrophilic org. solvent or water or their mixt., and a wax emulsion (B) dispersed by a non-ionic surfactant as a emulsifier in the above solvent, in the presence of a surfactant (C) which has a polarity different from that of the above polar groups, to stick the wax fine particles on the parent particle, (2) heating the mixt. to fix, and (3) sepg.(the solid and liq.) and rinsing if necessary, and then drying. The toner using the above polymer composite particles shows superior mold-releasing and cleaning properties.

ST polymer composite particle manuf; electrophotog toner polymer composite particle

IT Carnauba wax
 (for prep. polymer composite particles used in electrophotog. toner)

IT Electrophotographic developers
 (toners, manuf. of polymer composite particles for)

IT 2190-04-7, Stearyl amine acetate 57765-32-9, Megafac F 150 158658-62-9
 (cationic surfactant; for prep. polymer composite particles used in electrophotog. toner)

IT 9016-45-9, Polyoxyethylene nonyl phenyl ether
 (non-ionic surfactant; prep. wax emulsion for polymer composite particles used in electrophotog. toner)

IT 79-41-4DP, Methacrylic acid, ester of reaction product of α -thio glycerol with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer 96-27-5DP, α -Thio glycerol, reaction product with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer

15214-89-8DP, 2-Acryl amido-2-methylpropane sulfonic acid, ester of reaction product of α -thio glycerol with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer 146938-48-9DP, 1,3-Butanediol dimethacrylate-methyl acrylate-styrene copolymer, reaction product with α -thio glycerol, and(or) ester with methacrylic acid or 2-acryl amido-2-methylpropane sulfonic acid (prepd. as parent particle of polymer composite particles used in electrophotog. toner)

IT 25609-90-9, Acrylic acid-butyl methacrylate-styrene copolymer
26655-10-7, Butyl methacrylate-2-ethylhexyl acrylate-styrene copolymer (prepg. parent particle of polymer composite particles used in electrophotog. toner)

OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

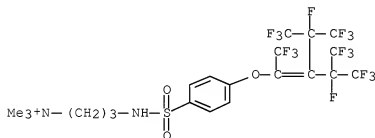
UPOS.G Date last citing reference entered STN: 12 Feb 2010

OS.G CAPLUS 2005:370926; 2006:445725; 2005:260314; 2005:259474;
2004:1126935; 2004:589112; 2003:319329; 2000:568470;
1998:405413; 1997:756492

IT 158658-62-9
(cationic surfactant; for prepg. polymer composite particles used in electrophotog. toner)

RN 158658-62-9 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



● I⁻

L7 ANSWER 11 OF 15 ZCA COPYRIGHT 2010 ACS on STN

AN 117:36596 ZCA [Full-text](#)

OREF 117:6361a,6364a

ED Entered STN: 26 Jul 1992

TI Positive photosensitive resin composition

IN Banba, Toshio; Takeuchi, Etsu; Takeda, Toshiro; Takeda, Naoshige; Tokoh, Akira

PA Sumitomo Bakelite Co., Ltd., Japan

SO Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM G03F007-023

ICS G03F007-004

CC 74-4 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

Section cross-reference(s): 25, 35, 76

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | EP 459395 | A2 | 19911204 | EP 1991-108689 | 19910528 |
| | EP 459395 | A3 | 19920708 | | |
| | EP 459395 | B1 | 19990818 | | |
| | JP 04031860 | A | 19920204 | JP 1990-137111 | 19900529 |
| | JP 2828736 | B2 | 19981125 | | |
| | JP 04031861 | A | 19920204 | JP 1990-137112 | 19900529 |
| | JP 2877894 | B2 | 19990405 | | |
| | JP 04031862 | A | 19920204 | JP 1990-137113 | 19900529 |
| | JP 2877895 | B2 | 19990405 | | |
| | JP 04046345 | A | 19920217 | JP 1990-154049 | 19900614 |
| | JP 2828740 | B2 | 19981125 | | |
| | JP 04070659 | A | 19920305 | JP 1990-177376 | 19900706 |
| | JP 08007436 | B | 19960129 | | |
| | JP 04258958 | A | 19920914 | JP 1991-104053 | 19910213 |
| | JP 2698228 | B2 | 19980119 | | |
| | KR 183990 | B1 | 19990401 | KR 1991-8819 | 19910529 |
| | US 5449584 | A | 19950912 | US 1994-210417 | 19940318 |
| PRAI | JP 1990-137111 | A | 19900529 | | |
| | JP 1990-137112 | A | 19900529 | | |
| | JP 1990-137113 | A | 19900529 | | |
| | JP 1990-154049 | A | 19900614 | | |
| | JP 1990-177376 | A | 19900706 | | |
| | JP 1991-104053 | A | 19910213 | | |
| | US 1991-705992 | B1 | 19910528 | | |

OS MARPAT 117:36596

AB The title compn. comprises a polybenzoxazole precursor (D) 100, ≥ 1 org. solvent-sol. polymer having an arom. and/or a heterocyclic residue (E) 2-200, and a photosensitive agent consisting of a diazoquinone compd. and/or a dihydropyridine compd. 10-100 parts. The precursor D has a polymn. degree of 2-500 and is obtained by polymn. of (a) a monomer having a group $-COAr1CO-$ [Ar1 = a divalent arom. or heterocyclic group], (b) a monomer having a group $-NHAr2(OH)2NH-$ [Ar1 = a tetravalent arom. or heterocyclic group], and (c) a monomer having a group $-NHAr3NH-$ [Ar3 = a divalent arom., heterocyclic, alicyclic, Si-contg. aliph. group] in such a proportion that $a/(b+c) = 0.9-1.1$ where $b = 2-100$, $c = 0-98$, and $b+c = 100$ mol%. The polymer E is selected from polyimides, polybenzimidazoles, polybenzothiazoles, etc. The photosensitive compn. has excellent alkali resistance when unexposed to light and accordingly can give a high residual film ratio.

ST photosensitive compn polybenzoxazole precursor; diazoquinone compd

photosensitive compn; polyimide photosensitive compn; semiconductor device photosensitive compn

IT Photoimaging compositions and processes
(alkali-resistant)

IT Semiconductor devices
(photosensitive compns. for manuf. of)

IT Siloxanes and Silicones, uses
(polyamic acid-, for photosensitive compns.)

IT Polyamic acids
(siloxane-, for photosensitive compns.)

IT 9010-39-3 21829-25-4 21829-26-5 25280-53-9, Polyhydantoin
26875-71-8 26985-65-9 31346-56-2 38595-90-3 51289-96-4,
Polyoxadiazole 53055-12-2 64427-99-2 112480-82-7 128611-69-8
133440-72-9 141922-02-3 141922-03-4 141922-04-5 141922-05-6
141948-93-8 142175-42-6 142358-42-7
(photosensitive compns. contg.)

IT 30679-44-8P 96280-60-3P 116325-73-6P 141948-92-7P
(prepn. and use of, in photosensitive compn.)

IT 142105-09-7P 142175-41-5P
(prepn. and use of, in photosensitive compns.)

OSC.G 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (25 CITINGS)

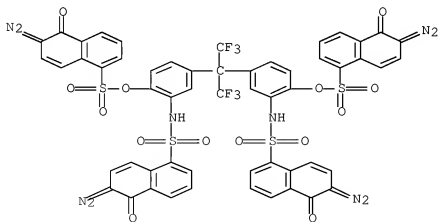
UPOS.G Date last citing reference entered STN: 04 May 2009

OS.G CAPLUS 2009:487285; 2008:703415; 2006:919169; 2006:642278;
2004:999587; 2004:780950; 2004:780742; 2003:1013101;
2002:354011; 2001:255870; 2001:221912; 2000:290730;
2000:290657; 2000:227876; 2000:227875; 2000:227873;
1999:763791; 1999:577122; 1999:271577; 1998:543230

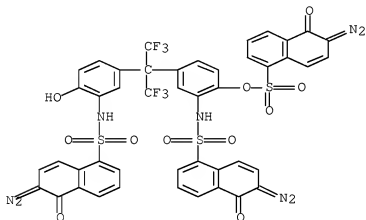
IT 141948-93-8
(photosensitive compns. contg.)

RN 141948-93-8 ZCA

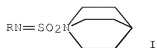
CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-,
[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4,1-phenylene] ester
(9CI) (CA INDEX NAME)



IT 141948-92-7P
 (prepn. and use of, in photosensitive compn.)
 RN 141948-92-7 ZCA
 CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-,
 2-[[[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4-[1-[3-
 [[[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4-
 hydroxyphenyl]-2,2,2-trifluoro-1-(trifluoromethyl)ethyl]phenyl ester
 (CA INDEX NAME)



L7 ANSWER 12 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 107:58809 ZCA Full-text
 OREF 107:9761a,9764a
 ED Entered STN: 21 Aug 1987
 TI Synthesis of perfluorinated sulfimides, RfN:SO2, and their
 stabilization by tertiary amines
 AU Jaeger, Ulrich; Sundermeyer, Wolfgang; Pritzkow, Hans
 CS Anorg.-Chem. Inst., Univ. Heidelberg, Heidelberg, D-6900/1, Fed. Rep.
 Ger.
 SO Chemische Berichte (1987), 120(7), 1191-5
 CODEN: CHBEAM; ISSN: 0009-2940
 DT Journal
 LA German
 CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
 Section cross-reference(s): 23
 OS CASREACT 107:58809
 GI



AB The amine-stabilized sulfimides I [R = C6F5, (F3C)2CH, (F3C)2CHO2C] were obtained by reaction of sulfamoyl chlorides RNHSO2Cl with quinuclidine. A direct approach to I (R = C6F5) and (F3C)2CFN:SO2NMe2 was found by oxidn. of N-sulfinylamines RN:SO [R = C6F5, (CF3)2CF] with quinuclidine N-oxide or trimethylamine N-oxide, resp. The x-ray structure anal. of I (R = C6F5) indicates a double-bond in the N:SO2 group, while the amine is tetrahedrally coordinated in a distance to the sulfur atom longer than a single bond. Addnl. reactions of N-sulfinylamines or sulfamoyl chlorides are reported.

ST sulfimide perfluorinated; quinuclidine perfluorinated sulfimine prepn crystal structure

IT Crystal structure
(of quinuclidine sulfimide deriv.)

IT 107914-97-6P
(prepn. and crystal structure of)

IT 107914-94-3P 107914-95-4P 107914-96-5P
(prepn. and reaction with quinuclidine)

IT 107914-98-7P 107914-99-8P 107915-00-4P
107915-01-5P 107915-02-6P 107915-03-7P 107940-03-4P
(prepn. of)

IT 771-60-8, Pentafluoroaniline 920-66-1 1619-92-7
(reaction of, with chlorosulfonic acid)

IT 33581-95-2
(reaction of, with quinuclidine)

IT 22001-09-8
(reaction of, with quinuclidine oxide)

IT 100-76-5, Quinuclidine
(reaction of, with sulfamoyl chlorides)

IT 25289-67-2
(reaction of, with sulfinyl amines)

IT 10564-49-5
(reaction of, with sulfur trioxide)

IT 26454-67-1 28048-19-3
(reaction of, with trimethylamine oxide)

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

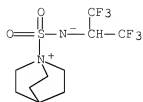
UPOS.G Date last citing reference entered STN: 20 Jul 2009

OS.G CAPLUS 2009:663953

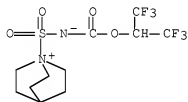
IT 107914-98-7P 107914-99-8P 107915-01-5P
(prepn. of)

RN 107914-98-7 ZCA

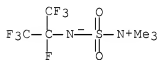
CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[2,2,2-trifluoro-1-(trifluoromethyl)ethyl]amino]sulfonyl]-, inner salt (CA INDEX NAME)



RN 107914-99-8 ZCA
 CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]carbonyl]amino]sulfonyl]-, inner salt (9CI)
 (CA INDEX NAME)



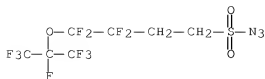
RN 107915-01-5 ZCA
 CN Methanaminium, N,N-dimethyl-N-[[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]amino]sulfonyl]-, inner salt (CA INDEX NAME)



L7 ANSWER 13 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 90:40165 ZCA [Full-text](#)
 OREF 90:6475a,6478a
 ED Entered STN: 12 May 1984
 TI Surface modification of polymeric substrates via interaction with
 azido formyl or azido sulfonyl compounds
 IN Herweh, John E.
 PA Armstrong Cork Co., USA
 SO U.S., 4 pp.
 CODEN: USXXAM
 DT Patent
 LA English

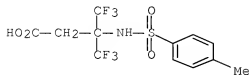
IC D06M013-38
INCL 008115500
CC 39-10 (Textiles)
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 4099910 | A | 19780711 | US 1977-820050 | 19770729 |
| PRAI | US 1977-820050 | | 19770729 | | |
| AB | Azidoformate and azidosulfonyl compds. of structure R(CH ₂) _m X, where R is a fluorocarbon or alkoxyalkyl group, m > 1, and X = O ₂ CN ₃ or SO ₂ N ₃ , can be used to impart permanent surface effects to various substrates, esp. textiles, when thermally decompd. on the substrate. Thus, C8F17CH ₂ CH ₂ O ₂ CN ₃ [68691-36-1], prepd. by reaction of C8F17CH ₂ CH ₂ O ₂ CCl [40678-16-8] with NaN ₃ , was applied to polypropylene-backed nylon carpet from a 2.5% soln. in CHCl ₃ . After drying in vacuo and heating for 10 min at 140° the carpet passed the 3M Water Resistance Test, showed a value of 5 in the 3M Hydrocarbon Resistance Test, and 128° in the Contact Angle Test (single fiber) with H ₂ O, compared with failure, 0, and 68°, resp., for untreated carpet. | | | | |
| ST | azide textile finishing agent; sulfonyl azide textile finishing; azidoformate textile finishing agent; fluoroalkyl azidoformate textile finish; waterproofing agent textile; oilproofing agent textile | | | | |
| IT | Polyamide fibers, uses and miscellaneous (carpets, oil- and waterproofing agents for, heptadecafluorodecyl azidoformate as) | | | | |
| IT | Carpets (nylon, oil- and waterproofing agents for, heptadecafluorodecyl azidoformate as) | | | | |
| IT | Oilproofing Waterproofing (agents, heptadecafluorodecyl azidoformate, for nylon carpets) | | | | |
| IT | Azides (fluorinated aliph., oil- and waterproofing agents, for textiles) | | | | |
| IT | 68691-36-1 (oil- and waterproofing agent, for nylon carpets) | | | | |
| IT | 68691-35-0P (prepn. of) | | | | |
| IT | 40678-16-8 53352-93-5 (reaction of, with sodium azide) | | | | |
| OSC.G | 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS) | | | | |
| UPOS.G | Date last citing reference entered STN: 16 Feb 2009 | | | | |
| OS.G | CAPLUS 1994:332172; 1992:216006 | | | | |
| IT | 68691-35-0P (prepn. of) | | | | |
| RN | 68691-35-0 ZCA | | | | |
| CN | 1-Butanesulfonyl azide, 3,3,4,4-tetrafluoro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]- (CA INDEX NAME) | | | | |



L7 ANSWER 14 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 67:43402 ZCA [Full-text](#)
 OREF 67:8119a,8122a
 ED Entered STN: 12 May 1984
 TI β -Amino- β , β -bis(trifluoromethyl)propionic acid and
 β , β -bis(trifluoromethyl)- β -propiolactam
 AU Zeifman, Yu. V.; Knunyants, I. L.
 CS Inst. Elementoorgan. Soedin., Moscow, USSR
 SO Doklady Akademii Nauk SSSR (1967), 173(2), 354-7
 CODEN: DANKAS; ISSN: 0002-3264
 DT Journal
 LA Russian
 CC 23 (Aliphatic Compounds)
 GI For diagram(s), see printed CA Issue.
 AB Shaking 15.7 g. (CF₃)₂CO and 16 g. p-MeC₆H₄SO₂NH₂ in tetrahydrofuran with a few drops pyridine in a sealed tube and treating the resulting soln. with 30 ml. SOCl₂ in C₆H₆, followed by refluxing 2 hrs., gave hexafluoroacetone N-p-toluenesulfonylimine, which was directly treated 1 hr. with ketene in Et₂O to yield after addn. of EtOH, 87% Ia, m. 94-6° (CCl₄), also formed in 70% yield from the corresponding β -p-toluenesulfonylamido- β , β -bis(trifluoromethyl)propionic acid (I) with ketene in Et₂O. Ia and alc. KOH on acidification for 2 hrs. gave 77% I, m. 111-13° (CCl₄). Ia and NH₃ in Et₂O gave I amide, m. 161-3° (CHCl₃). Ia heated 2 hrs. at 100° in H₂SO₄ gave 82.5% H₂NC(CF₃)₂CH₂CO₂H (II), m. 69-70°, also formed similarly from its β -p-toluenesulfonyl deriv. II heated with EtOH-H₂SO₄ 15 hrs. gave the Et ester (III), b₂₂ 69-70°, n_{19D} 1.3570, d₁₉ 1.398. II and SOCl₂ heated 10 hrs. gave 70% β , β -bis(trifluoromethyl)- β -propiolactam (IV), m. 59-61° (CCl₄), also formed from II and P₂O₅ at 250° in vacuo in 65% yield, and in 35% yield from EtMgBr and III after refluxing 3 hrs. IV was not formed from the free amino acid and dicyclohexylcarbodiimide. IV and ketene in Et₂O overnight gave 76% the N-acetyl deriv. of IV, b₁₀ 69-71°, n_{22D} 1.3740, which with 10% KOH gave 77% β -acetylamino- β , β -bis(trifluoromethyl)propionic acid, m. 149-50°. IV and BzCl with Et₃N 3 days gave 63.5% the N-benzoyl deriv. of IV, m. 108-9°; free acid m. 114-16°. Ir spectra shown.
 ST PROPIONIC ACID; AMINOTRIFLUOROMETHYLPROPIONIC ACID; LACTAMS
 TRIFLUOROMETHYLPROPIO; FLUOROMETHYLPROPIONIC ACID
 IT 4522-10-5P 13027-21-9P 16395-86-1P 16395-87-2P
 16395-88-3P 16395-89-4P 16395-90-7P 16395-91-8P
 16395-92-9P 16395-93-0P
 (prepn. of)
 IT 16395-88-3P

(prepn. of)
 RN 16395-88-3 ZCA
 CN Butanoic acid, 4,4,4-trifluoro-3-[[(4-methylphenyl)sulfonyl]amino]-3-(trifluoromethyl)- (CA INDEX NAME)



L7 ANSWER 15 OF 15 ZCA COPYRIGHT 2010 ACS on STN
 AN 63:80199 ZCA Full-text
 OREF 63:14711d-f
 ED Entered STN: 22 Apr 2001
 TI Substituted amides of long chain halocarboxylic acids
 IN Hauptschein, Murray; Toukan, Sameeh S.
 PA Pennsalt Chemicals Corp.
 SO 38 pp.
 DT Patent
 LA Unavailable
 IC C07C
 CC 33 (Aliphatic Compounds)
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| PI | FR 1396008 | | 19650416 | FR 1964-971846 | 19640422 |
| | US 3238235 | | 19660301 | US 1963-276160 | 19630429 |
| PRAI | US | | 19630429 | | |

AB A process for the prepn. of the title compds. R1CONR2R3CO2M (I) (R1 = perfluoroalkyl, R2 = H or alkyl, R3 = alkylene or monohydroxyalkylene, M = H or alkali metal) which are surface active agents is described. To a suspension of 7.5 g. glycine in 70 cc. anhyd. dimethoxyethane is slowly added a soln. of 11.3 g. CF3CF(CF3)(CF2)7COF in 30 cc. anhyd. dimethoxymethane, the mixt. refluxed 4 h. at 85°, filtered, solvent evapd. in vacuo, the residue extd. (Et2O), washed (H2O), dried (Mg2SO4) to give a liq. residue which solidifies at ambient temp. to give I (R1 = CF3CF(CF3)(CF2)7, R2 = H, R3 = CH2, M = H), m. 130-1° ir spectra (strong bands): 5.82 μ and 6.43 μ. R1, R2, R3, M, M.p. Ir (strong, bands); CF3CF(CF3)(CF2)5CO, H, CH2, H, 97.5-99°, 5.83μ, 6.47μ; CF3CF(CF3)(CF2)9CO, H, CH2, H, 148-9°, 5.82μ, 6.42μ; CF3CF(CF3)(CF2)5CO, H, CH2CH2, H, 88.5-90°, 5.87μ, 6.44μ; CF3CF(CF3)(CF2)7CO, H, CH2CH2, H, 116-17°, 5.82μ, 6.41μ; CF3CF(CF3)(CF2)9CO, H, CH2CH2, H, 138-40° 5.85μ, 6.43μ; CF3CF(CF3)(CF2)5CO, CH3, CH2, H, 67.5-69°, 5.74μ, 5.91μ; CF3CF(CF3)(CF2)7CO, CH3, CH2, H, 88.5-90°, 5.70μ, 6.00μ; CF3CF(CF3)(CF2)9CO, CH3, CH2, H, 105-7°, 5.70μ, 6.01μ; CF2ClCF(CF3)(CF2)7CO, H, CH2, H, 118-20°, 5.83μ, 6.45μ;

$\text{ClCF}_2\text{CF}(\text{CF}_3)(\text{CF}_2)_9\text{CO}$, H, CH_2 , H, $139.5\text{--}40.5^\circ$, 5.85μ , 6.46μ ;
 $\text{ClCF}_2\text{CF}(\text{CF}_3)(\text{CF}_2)_7\text{CO}$, H, CH_2CH_2 , H, $99.5\text{--}100.5^\circ$, 5.85μ , 6.25μ ;
 $\text{ClCF}_2\text{CF}(\text{CF}_3)(\text{CF}_2)_9\text{CO}$, H, CH_2CH_2 , H, $123\text{--}4.5^\circ$, 5.87μ , 6.44μ ;
 $\text{ClCF}_2\text{CF}(\text{CF}_3)(\text{CF}_2)_7\text{CO}$, CH_3 , CH_2 , H, $80\text{--}1^\circ$, 5.72μ , 6.01μ ;
 $\text{ClCF}_2\text{CF}(\text{CF}_3)(\text{CF}_2)_9\text{CO}$, CH_3 , CH_2 , H, $102.5\text{--}4^\circ$, 5.71μ , 6.00μ ; Starting from appropriate perfluorocarboxylic acids other I can be prepd. and their properties are given in the table.

IT Surface-active substances

(perfluoroalkyl)carboxamides as)

IT Spectra, infrared

(of (perfluoroalkyl)carboxamides)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

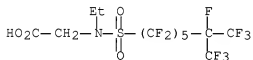
UPOS.G Date last citing reference entered STN: 16 Feb 2009

OS.G CAPLUS 1997:172298; 1995:957946; 1990:84281

IT 5051-36-5F, Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)heptyl]sulfonyl]-(?), ammonium salt (prepn. of)

RN 5051-36-5 ZCA

CN Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)heptyl]sulfonyl]-, monoammonium salt (8CI) (CA INDEX NAME)



● NH₃